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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/613,159	07/03/2003	Yong Yang	9896000001	9189
27572 7590 07/26/2007 HARNESS, DICKEY & PIERCE, P.L.C.			EXAMINER	
P.O. BOX 828			JUNG, DAVID YIUK	
BLOOMFIELL	O HILLS, MI 48303		ART UNIT PAPER NUMBER	
			2134	
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			07/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/613,159	YANG ET AL.			
Office Action Summary	Examiner	Art Unit			
	David Y. Jung	2134			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status		·			
1) Responsive to communication(s) filed on	_ ·				
2a)⊠ This action is FINAL . 2b)☐ This	This action is FINAL. 2b) This action is non-final.				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Disposition of Claims	•				
4) Claim(s) 1-5 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-5 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or		20			
Application Papers					
9)☐ The specification is objected to by the Examine	r.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correcting 11) The oath or declaration is objected to by the Ex	· · · · · · · · · · · · · · · · · · ·				
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage			
		•			
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview Summary				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

DETAILED ACTION

CLAIMS PRESENTED

Claims 1-5 are presented.

Response to Arguments

Applicant's arguments filed have been fully considered but they are not persuasive.

Applicant's main argument seems to be that the copyright date of the Cisco reference does not indicate the product date of Cisco. This is not accepted. Does Applicant wish to assert that Cisco actually was not mentioning (in public, to potential customers) such features in 1998? Surely, Applicant would not. Thus, Applicant's argument is not deemed persuasive.

Applicant also asserts that the sequence of the features was not taught by Cisco. Again, this cannot be accepted. Does Applicant wish to assert that Cisco actually was not mentioning such sequence in 1998? Surely, Applicant would not. Thus, Applicant's argument is not deemed persuasive.

Flood attacks were already a common problem in 1998. Cisco is the main company for networks and is usually considered to use mainstream (commonly known to be desired) features and techniques. Thus, to assert somehow that Cisco must not be read as assuming the inherent features is wrong.

As for the particular comments regarding the rejections of claims 2-5, Applicant has not responded to any of the substance of the rejections. Instead, Applicant has

merely asserted that these were not supported by reference. Because the rejections specifically mentioned the very reasons why the features were well known and because Applicant has not specifically responded (let alone disagreed) with the reasons why the features were well known, the rejections have not been overcome.

CLAIM REJECTIONS

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Cisco (http://www.cisco.com/univercd/cc/td/doc/product/software/ios112/intercpt.htm), copyright 1998, Cisco Systems.

Cisco teaches A method for preventing Transmission Control Protocol (TCP) synchronize (SYN) package flood attacks

- -- see Section Description, i.e., preventing flood attacks, comprising the steps of:
- (1) a firewall having received a TCP SYN connection request package from a client, creating a TCP SYN response package for the client and returning to the client by the firewall as an agent of a server, informing the client not to send data packages by the TCP SYN response package;

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-- see Figure 20, arrival of connection attempts, retransmissions to clients

(2) detecting whether having received a TCP SYN acknowledgement package from the client, if yes, creating a TCP SYN connection request package for the server and sending to the server by the firewall as an agent of the client, otherwise discarding the TCP SYN connection request package from the client;

- -- see Figure 20, when finished with third client, send and transmit to server
- -- see Figure 20, retransmit to first two clients, time out, send resets
- (3) having received a TCP SYN response package from the server, creating a TCP SYN acknowledgement package for the server and returning to the server,

at same time, creating a TCP SYN acknowledgement package for the client and sending to the client, and initiating data transmission by the TCP SYN acknowledgement package,

- -- see Figure 20, server responds, the connection is established, send final ACK
- (4) forwarding data packages coming from the client to the server by
 the firewall as an agent of the client, and forwarding data packages coming from
 the server to the client by the firewall as an agent of the server
- -- see Figure 19, TCP Intercept acts as firewall, forwarding all packets to and from client 171.69.232.23 and server 10.1.1.30..

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cisco (http://www.cisco.com/univercd/cc/td/doc/product/software/ios112/intercpt.htm).

Regarding claims 2-5, Cisco teaches as noted in the previous paragraphs.

These passages of Cisco do not teach the various protocol handlings in the sense of the claims 2-5.

Nevertheless, it was well known in the art to have the various protocol handlings of claims 2-5 for the motivation of having an effective defense against denial of service.

In particular, regarding claim 2, such use of zero window size is well known in the art for the motivation of minimizing the traffic between unauthorized client and the firewall. If the window size is anything other than zero, the flood would work and the service would be denied.

Regarding claim 3, such address handling is well known in the art for the motivation of certifying the client. The addresses must be certified for the authorization of the client to occur.

Regarding claim 4, such use of non-zero window is well known in the art for the motivation of permitting the traffic. After authorization, as in the situation of claim 4, the window must be non-zero for traffic to be permitted.

Regarding claim 5, such handling of source sequence number handling is well known in the art for the motivation of permitting the traffic. After authorization, as in the situation of claim 5, the sequence numbers must be coordinated in order for the traffic to be permitted.

Hence, it would have been obvious to those of ordinary skill in the art at the time of the claimed invention to modify Cisco for the motivation noted in the previous paragraphs so as to teach the claimed invention.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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The art made of record and not relied upon is considered pertinent to applicant's disclosure. The art disclosed general background.

Points of Contact

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(571) 273-8300, (for formal communications intended for entry)

Or:

(571) 27<u>3</u>-3836 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Jung whose telephone number is (571) 272-3836 or Kambiz Zand whose telephone number is (272) 272-3811.

David Jung

Patent Examiner

7/22/07